

# Luke Lambourne

## List of Publications by Year in descending order

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Version: 2024-02-01

390  
papers

32,867  
citations

4960

84  
h-index

5829

161  
g-index

401  
all docs

401  
docs citations

401  
times ranked

13376  
citing authors

#	ARTICLE	IF	CITATIONS
1	A reference map of the human binary protein interactome. <i>Nature</i> , 2020, 580, 402-408.	27.8	724
2	Maximizing binary interactome mapping with a minimal number of assays. <i>Nature Communications</i> , 2019, 10, 3907.	12.8	57
3	APID database: redefining protein-protein interaction experimental evidences and binary interactomes. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	113
4	Protein Interactomics by Two-Hybrid Methods. <i>Methods in Molecular Biology</i> , 2018, 1794, 1-14.	0.9	6
5	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 241.	3.9	61
6	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017, 77, 490.	3.9	325
7	Upon Accounting for the Impact of Isoenzyme Loss, Gene Deletion Costs Anticorrelate with Their Evolutionary Rates. <i>PLoS ONE</i> , 2017, 12, e0170164.	2.5	9
8	Domain-based prediction of the human isoform interactome provides insights into the functional impact of alternative splicing. <i>PLoS Computational Biology</i> , 2017, 13, e1005717.	3.2	30
9	Performance of $b$ -jet identification in the ATLAS experiment. <i>Journal of Instrumentation</i> , 2016, 11, P04008-P04008.	1.2	278
10	Measurement of total and differential $W + W^*$ production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. <i>Journal of High Energy Physics</i> , 2016, 2016, .	4.7	47
11	Dijet production in pp collisions with large rapidity gaps at the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 214-234.	4.1	29
12	Search for a high-mass Higgs boson decaying to a $W$ boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	71
13	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \tau^+ \tau^-$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 69-85.	4.1	31
14	Measurement of $D_{s1}^+$ , $D_{s1}^0$ and $D_{s1}^-$ meson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	2.5	32
15	Search for flavour-changing neutral current top-quark decays to $qZ$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 12.	3.9	39
16	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 87.	3.9	39
17	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 81.	3.9	10
18	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	43

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19	Search for single production of vector-like quarks decaying into $Wb$ in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 442.	3.9	43
20	ATLAS Collaboration. <i>Nuclear Physics A</i> , 2016, 956, 922-944.	1.5	1
21	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $pp$ collisions using the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	34
22	Search for the electroweak production of supersymmetric particles in $pp$ collisions with the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	53
23	Search for the production of a Higgs boson in association with a top quark in $pp$ collisions with the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	29
24	Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with the ATLAS detector. <i>Physical Review C</i> , 2016, 93, .	2.9	36
25	Search for the production of a Higgs boson in association with a top quark decaying into a tau lepton in the helicity basis at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	11
26	Search for magnetic monopoles and stable particles with high electric charges in $pp$ collisions with the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	43
27	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	16
28	Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016, 93, .	4.7	5
29	Search for the production of a Higgs boson in association with a top quark in $pp$ collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2016, 116, 172301.	7.8	228
30	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016, 76, 295.	3.9	50
31	Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 581.	3.9	298
32	Measurement of the transverse momentum and $\phi_{\eta}$ distributions of Drell-Yan lepton pairs in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 291.	3.9	154
33	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	14
34	Identification of high transverse momentum top quarks in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	17
35	A search for an excited muon decaying to a muon and two jets in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2016, 18, 073021.	2.9	2
36	The ATLAS Data Acquisition and High Level Trigger system. <i>Journal of Instrumentation</i> , 2016, 11, P06008-P06008.	1.2	41

#	ARTICLE	IF	CITATIONS
37	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	3.9	115
38	Measurement of the differential cross-sections of prompt and non-prompt production of $J/\psi$ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and $8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
39	Measurement of the CP-violating phase $\arg(\Gamma_{12}/\Gamma_{21})$ and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \tau^+ \tau^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
40	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
41	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
42	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
43	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
44	Measurements of four-lepton production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 552-572.	4.1	10
45	Hard-scattering kinematics of proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 276-286.	4.1	10
46	Evidence for single top-quark production in the s-channel in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector using the Matrix Element Method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.	4.1	10
47	Search for $W$ bosons in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.	4.1	10
48	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	3.9	62
49	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	3.9	95
50	Probing lepton flavour violation via neutrinoless $\mu \rightarrow e \gamma$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	3.9	19
51	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	3.9	9
52	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
53	Search for anomalous couplings in the $Wtb$ vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	4.7	13
54	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109

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55	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and $8\text{ TeV}$ in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	3.9	274
56	Measurements of fiducial cross-sections for $t\bar{t}\hat{A}^-$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
57	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{A}^+ J/\psi D_s^+ \hat{A}^-$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{A}^+ J/\psi D_s^+ \hat{A}^-$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
58	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ H \hat{A}^+ Z Z$ decay channel at $\sqrt{s} = 8\text{ TeV}$ in $pp$ collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
59	Search for single top-quark production via flavour-changing neutral currents at $8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	3.9	43
60	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$ with the ATLAS detector. Physical Review C, 2015, 92, .	4.7	110
61	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8\text{ TeV}$ . Physical Review D, 2015, 91, .	4.7	34
62	Observation and measurement of Higgs boson decays to $W^+W^-$ and $Z\gamma$ at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	110
63	Measurement of the total and differential Higgs boson production cross sections combining the ATLAS and CMS results. Physical Review D, 2015, 92, .	4.7	91
64	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	7
65	Measurement of differential cross sections and forward-backward ratios in $t\bar{t}$ production and $t\bar{t}\hat{A}^-$ production in $pp$ collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	7.8	48
66	Measurement of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. Physical Review D, 2015, 92, .	2.9	27
67	Observation of top-quark pair production in association with a photon and measurement of the cross section in $pp$ collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	2.9	44
68	Measurement of the top pair production cross section in $8\text{ TeV}$ proton-proton collisions using kinematic information in the $t\bar{t}\hat{A}^-$ final state with ATLAS. Physical Review D, 2015, 92, .	4.7	36
69	Search for type-III seesaw heavy leptons in $pp$ collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	51
70	Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	26
71	Search for type-III seesaw heavy leptons in $pp$ collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	61
72	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8\text{ TeV}$ . Physical Review D, 2015, 91, .	4.7	24

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73	Search for high-mass diphoton resonances in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92.	4.7	99
74	Search for Higgs bosons decaying to $ac$ in the $\sqrt{s}=8\text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2015, 92.	4.7	101
75	Search for photonic signatures of gauge-mediated supersymmetry in $8\text{ TeV}$ pp collisions with the ATLAS detector. Physical Review D, 2015, 92, .	4.7	19
76	Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector at the LHC. Physical Review D, 2015, 92, .	4.7	26
77	Search for pair production of a new heavy quark that decays into a $W$ boson and a light quark in $\sqrt{s}=8\text{ TeV}$ collisions at the ATLAS detector. Physical Review Letters, 2015, 114, 221602.	7.8	27
78	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay into $WZ$ or $W\gamma$ at $\sqrt{s}=8\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2015, 114, 221602.	7.8	27
79	Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2015, 114, 221602.	7.8	27
80	Search for $W$ boson and a light quark in $\sqrt{s}=8\text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2015, 92, .	7.8	20
81	Evidence of $W$ boson production in the vector-boson fusion mode with decay into $WZ$ or $W\gamma$ at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review Letters, 2015, 114, 221602.	7.8	30
82	Search for $W$ boson and a light quark in $\sqrt{s}=8\text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2015, 92, .	7.8	49
83	Determination of the Ratio of $W$ boson and a light quark in $\sqrt{s}=8\text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2015, 92, .	7.8	49
84	Quark Fragmentation Fractions in $W$ boson and a light quark in $\sqrt{s}=8\text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2015, 92, .	7.8	23
85	Modelling $Z \rightarrow \tau^+ \tau^-$ processes in ATLAS with $\tau$ -embedded $Z \rightarrow \tau^+ \tau^-$ data. Journal of Instrumentation, 2015, 10, P09018-P09018.	1.2	17
86	Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s}=2.76\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 376-395.	4.7	16
87	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s}=8\text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
88	A search for high-mass resonances decaying to $\tau^+ \tau^-$ in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
89	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	55
90	Search for lepton-flavour-violating $H \rightarrow \tau^+ \tau^-$ decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52

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91	Measurement of four-jet differential cross sections in $s = 8 \sqrt{s} = 8 \text{ TeV}$ proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76. Measurement of transverse energy $\times$ energy correlations in multi-jet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector and determination of the strong coupling constant $\alpha_s$ . Nuclear, Elementary Particle and High Energy Physics, 2015, 749, 242-261.	4.7	11
92	Measurement of exclusive $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.1	23
93	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.1	18
94	Measurement of charged-particle spectra in Pb+Pb collisions at $s_{NN} = 2.76 \sqrt{s} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.1	43
95	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
96	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
97	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	67
98	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
99	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
100	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
101	Search for new phenomena in events with three or more charged leptons in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
102	Summary of the searches for squarks and gluinos using $s = 8 \sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	84
103	Determination of the top-quark pole mass using $t\bar{t} + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
104	Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
105	Search for flavour-changing neutral current top quark decays $t \rightarrow q\gamma$ in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	22
106	Search for flavour-changing neutral current top quark decays $t \rightarrow q\gamma$ in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19

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109	<p>Continuity and rapidity dependence of inclusive jet production in <math>\sqrt{s} = 8</math> TeV <math>pp</math> collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.</p> <p>Search for heavy lepton resonances decaying to a Z boson and a lepton in <math>pp</math> collisions at <math>\sqrt{s} = 8</math> TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.</p>	4.1	93
110	<p>Combined Measurement of the Higgs Boson Mass in <math>pp</math> Collisions at <math>\sqrt{s} = 7</math> and <math>8</math> TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.</p> <p>Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at <math>\sqrt{s} = 8</math> TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.</p>	4.7	36
111	<p>Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.</p>	7.8	1,062
112	<p>Measurement of the charge asymmetry in dileptonic decays of top quark pairs in <math>pp</math> collisions at <math>\sqrt{s} = 7</math> TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.</p>	4.7	42
113	<p>Search for <math>W' \rightarrow tb</math> decays in <math>pp</math> collisions at <math>\sqrt{s} = 8</math> TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.</p>	4.7	116
114	<p>Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at <math>\sqrt{s} = 7</math> TeV. European Physical Journal C, 2015, 75, 158.</p>	4.7	17
115	<p>Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in <math>\sqrt{s} = 8</math> TeV <math>pp</math> collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.</p>	3.9	35
116	<p>Study of <math>(W/Z)H</math> production and Higgs boson couplings using <math>H \rightarrow WW</math> decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.</p>	3.9	17
117	<p>Measurement of the branching ratio <math>B(B \rightarrow \tau \nu)</math> with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.</p>	4.7	22
119			



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127	<p>Search for a CP-odd Higgs boson decaying to Zh in pp collisions at <math>\sqrt{s} = 8</math> TeV</p> <p>Search for Higgs and high-energy Z boson decays</p>		
128	<p>Search for Higgs and high-energy Z boson decays</p>		

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145	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
146	Search for the $b \bar{b} \hat{A}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
147	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ using $4.5 \text{ fb}^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
148	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $s = 8 \sqrt{s} = 8 \text{ TeV}$ pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
149	Search for charged Higgs bosons decaying via $H \hat{A} \hat{A}^{\pm} \hat{A}^{\pm}$ in fully hadronic final states using pp collision data at $s \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
150	Search for production of $WW/WZ$ resonances decaying to a lepton, neutrino and jets in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
151	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2015, 75, 120.	3.9	62
152	Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 337.	3.9	39
153	Search for Higgs boson pair production in the $\bar{b}b \hat{A} b \hat{A}$ final state from pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
154	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu u \bar{u} \hat{A}^{\pm} \hat{A}^{\pm}$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21
155	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
156	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u \bar{u} + b \bar{b} \hat{A}^{\pm} \hat{A}^{\pm} / \hat{A}^{\pm} \hat{A}^{\pm} + b \bar{b} \hat{A}^{\pm} \hat{A}^{\pm}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
157	Measurement of three-jet production cross-sections in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
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160	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
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172	A neural network clustering algorithm for the ATLAS silicon pixel detector. Journal of Instrumentation, 2014, 9, P09009-P09009.	1.2	45
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184	Search for the Standard Model Higgs boson decay to $4\ell$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 471.	4.1	58
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288	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	4.1	6

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